

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A device for forming a groove pattern in a light-guiding plate, the device ~~having comprising:~~

a tool unit including a tool guide and a head, ~~which comprises;~~

a heating plate disposed below the tool unit;

a stamper provided under the heating plate; ~~and~~

a plurality of cutting tools extending from ~~the~~ a lower side of the stamper at fixed intervals for forming a plurality of groove patterns in a surface of the light-guiding plate; ~~and~~
a holder having a vacuum structure for supporting the light-guiding plate.

2. (Canceled).

3. (Original) The device of claim 1, wherein the stamper is a metal plate.

4. (Original) The device of claim 1, wherein each of the cutting tools includes a rectangular or circular body, and a pyramid-shaped cutting part extending from the body.

5. (Original) The device of claim 4, wherein the cutting part is made of a processed diamond material.

6. (Currently Amended) A device for forming a groove pattern in a light-guiding plate, the device ~~having comprising:~~

a tool unit including a tool guide and a head, ~~which comprises;~~
a heating plate disposed below the tool unit;
a stamper provided under the heating plate;
a heating nipper surrounding both sides of the heating plate and the stamper; and
a plurality of cutting tools extending from the lower side of the stamper at fixed intervals
for forming a plurality of groove patterns in a surface of the light-guiding plate.

7. (Currently Amended) The device of claim 6, ~~wherein the light-guiding plate is supported by~~ further comprising a holder having a vacuum structure for supporting the light-guiding plate.

8. (Original) The device of claim 6, wherein the stamper is a metal material.

9-11. (Canceled)

12. (Currently Amended) A device for forming a plurality of grooves in a light-guiding plate ~~which comprises,~~ said device comprising:

a tool unit containing a tool guide and a head;
a heating plate operatively connected to the head of the tool unit;
a stamper unit provided under the heating plate;
a plurality of cutting tools extending from the lower side of the stamper unit at fixed intervals, ~~and;~~

a reciprocity system operatively connected to the head of the tool unit, said reciprocation system ~~being effective in forming~~ reciprocating to form a plurality of groove patterns in a surface of the light-guiding plate; and
a holder having a vacuum structure for supporting the light-guiding plate.

13. (New) A device for forming a groove pattern in a light-guiding plate, the device comprising:

a tool unit including a tool guide and a head;
a heating plate disposed below the tool unit;
a stamper provided under the heating plate;
a plurality of cutting tools extending from the lower side of the stamper at fixed intervals for forming a plurality of groove patterns in a surface of the light-guiding plate; and
a heating nipper surrounding both sides of the heating plate and the stamper and including cutting regions to simultaneous cut the light-guiding plate to a desired size while the plurality of cutting tools form the plurality of grooves in the light-guiding plate.

14. (New) The device of claim 13, further comprising:

a holder having a vacuum structure for supporting the light-guiding plate.

15. (New) The device of claim 13, wherein the stamper is a metal plate.

16. (New) The device of claim 13, wherein each of the cutting tools includes a rectangular or circular body, and a pyramid-shaped cutting part extending from the body.

17. (New) The device of claim 16, wherein the cutting part is made of a processed diamond material.

18. (New) The device of claim 13, wherein the heating plate heats the surface of the light-guiding plate to a temperature of between 50 °C and 120 °C.